Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Jan 25	BLAST(R) searching in REGISTRY available in STN on the Web
NEWS 3	Jan 29	FSTA has been reloaded and moves to weekly updates
NEWS 4	Feb 01	DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS 5	Feb 19	Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS 6	Mar 08	Gene Names now available in BIOSIS
NEWS 7	Mar 22	TOXLIT no longer available
NEWS 8	Mar 22	TRCTHERMO no longer available
NEWS 9	Mar 28	US Provisional Priorities searched with P in CA/CAplus and USPATFULL
NEWS 10	Mar 28	LIPINSKI/CALC added for property searching in REGISTRY
NEWS 11	Apr 02	PAPERCHEM no longer available on STN. Use PAPERCHEM2 instead.
NEWS 12	Apr 08	"Ask CAS" for self-help around the clock
NEWS 13	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 14	Apr 09	ZDB will be removed from STN
NEWS 15	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 16	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 17	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 18	Apr 22	Federal Research in Progress (FEDRIP) now available

NEWS EXPRESS	February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 14:33:48 ON 24 APR 2002

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 14:34:12 ON 24 APR 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

STRUCTURE FILE UPDATES: 23 APR 2002 HIGHEST RN 406909-40-8
DICTIONARY FILE UPDATES: 23 APR 2002 HIGHEST RN 406909-40-8

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

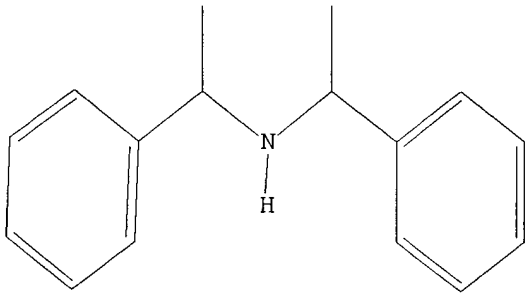
Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 09853085 generic amine.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l1 sss sam
SAMPLE SEARCH INITIATED 14:35:21 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 6695 TO ITERATE

14.9% PROCESSED 1000 ITERATIONS 6 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

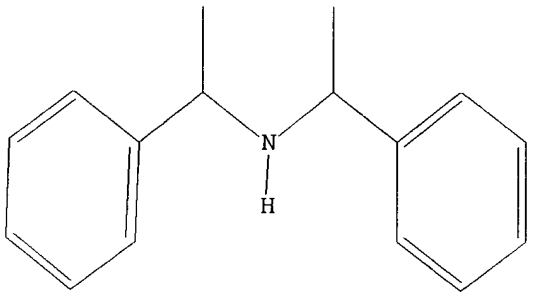
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 129000 TO 138800
PROJECTED ANSWERS: 423 TO 1183

L2 6 SEA SSS SAM L1

=>
Uploading 09853085 generic amine.str

L3 STRUCTURE UPLOADED

=> d l3
L3 HAS NO ANSWERS
L3 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l3 sss sam
SAMPLE SEARCH INITIATED 14:36:33 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 6695 TO ITERATE

14.9% PROCESSED 1000 ITERATIONS 1 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

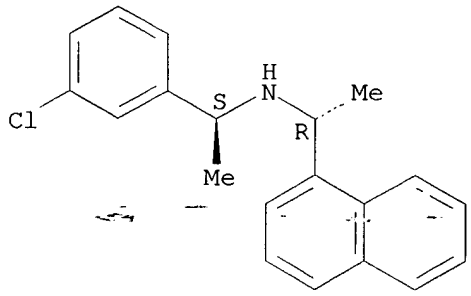
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 129000 TO 138800
PROJECTED ANSWERS: 1 TO 288

L4 1 SEA SSS SAM L3

=> d scan

L4 1 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 1-Naphthalenemethanamine,
N-[(1S)-1-(3-chlorophenyl)ethyl]-.alpha.-methyl-
, (.alpha.R)- (9CI)
MF C20 H20 Cl N

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> search l3 sss full
FULL SEARCH INITIATED 14:37:13 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 133082 TO ITERATE

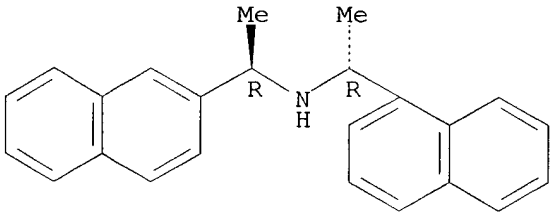
100.0% PROCESSED 133082 ITERATIONS 252 ANSWERS
SEARCH TIME: 00.00.04

L5 252 SEA SSS FUL L3

=> d scan

L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 1-Naphthalenemethanamine,
.alpha.-methyl-N-[(1R)-1-(2-naphthalenyl)ethyl]-
, hydrochloride, (.alpha.R)- (9CI)
MF C24 H23 N . Cl H

Absolute stereochemistry.



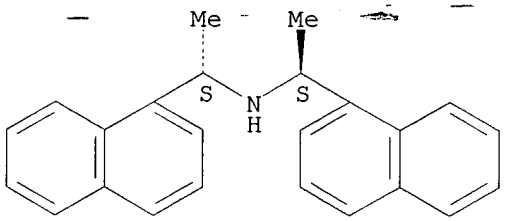
● HCl

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):30

L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 1-Naphthalenemethanamine,
.alpha.-methyl-N-[(1S)-1-(1-naphthalenyl)ethyl]-

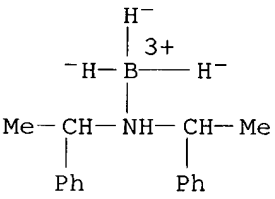
, hydrochloride, (.alpha.S)- (9CI)
MF C24 H23 N . Cl H

Absolute stereochemistry.



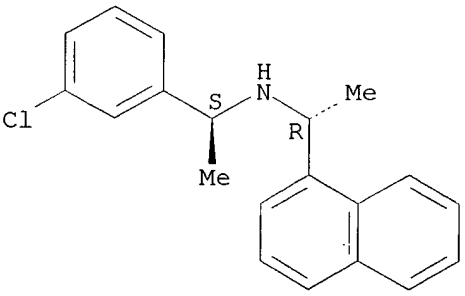
● HCl

L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Boron, trihydro[.alpha.-methyl-N-(1-phenylethyl)benzenemethanamine]-, [T-4-[S-(R*,R*)]]- (9CI)
MF C16 H22 B N
CI CCS



L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 1-Naphthalenemethanamine, N-[(1S)-1-(3-chlorophenyl)ethyl]-.alpha.-methyl-, (.alpha.R)- (9CI)
MF C20 H20 Cl N

Absolute stereochemistry.

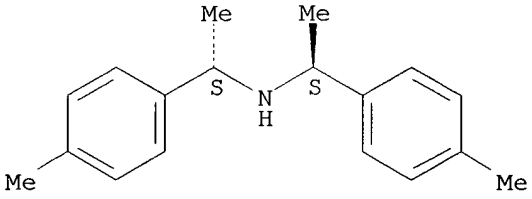


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

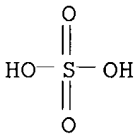
L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Benzenemethanamine, .alpha.,4-dimethyl-N-[(1S)-1-(4-methylphenyl)ethyl]-, (.alpha.S)-, sulfate (2:1) (9CI)
MF C18 H23 N . 1/2 H2 O4 S

CM 1

Absolute stereochemistry.

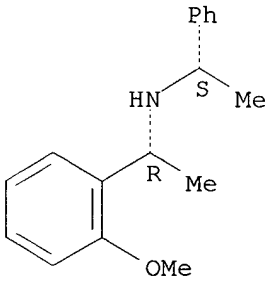


CM 2



L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Benzenemethanamine, 2-methoxy-.alpha.-methyl-N-(1-phenylethyl)-, [S-(R*,S*)]- (9CI)
MF C17 H21 N O

Absolute stereochemistry.

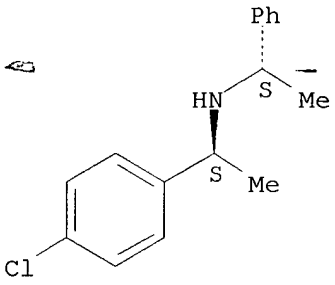


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Benzenemethanamine, 4-chloro-.alpha.-methyl-N-(1-phenylethyl)-, (R*,R*)-

(9CI)
MF C16 H18 Cl N

Relative stereochemistry.

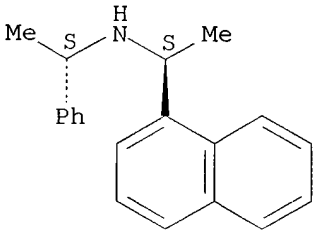


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

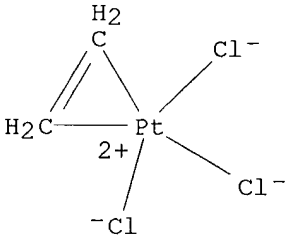
L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Platinate(1-), trichloro(.eta.2-ethene)-, hydrogen, compd. with (.alpha.S)-.alpha.-methyl-N-[(1S)-1-phenylethyl]-1-naphthalenemethanamine (1:1) (9CI)
MF C20 H21 N . C2 H4 Cl3 Pt . H

CM 1

Absolute stereochemistry.



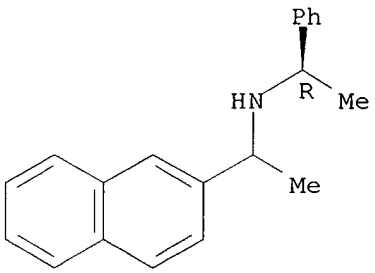
CM 2



H^+

L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Naphthalenemethanamine, .alpha.-methyl-N-[(1R)-1-phenylethyl]- (9CI)
MF C20 H21 N

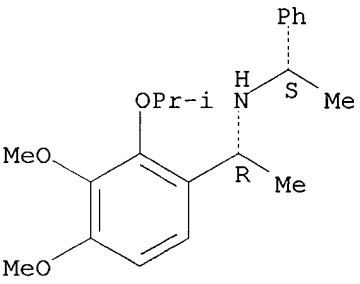
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Benzenemethanamine, 3,4-dimethoxy-.alpha.-methyl-2-(1-methylethoxy)-N-(1-phenylethyl)-, [S-(R*,S*)]- (9CI)
MF C21 H29 N O3

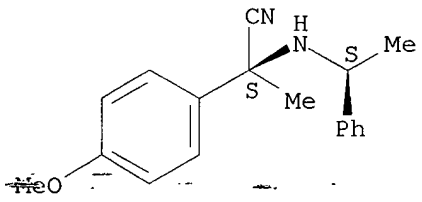
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

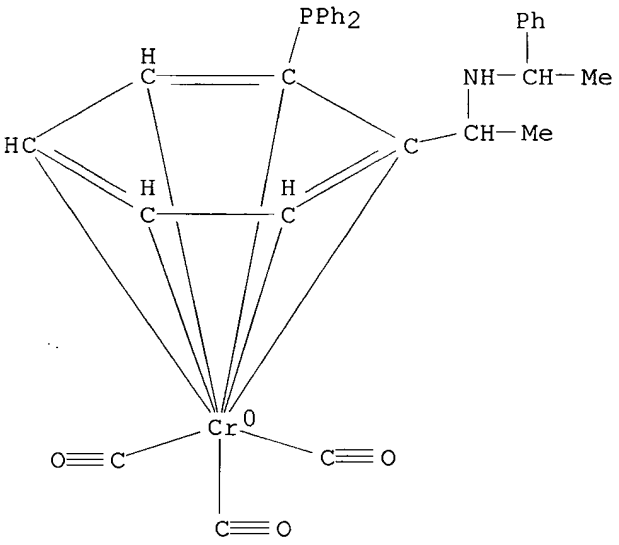
L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Benzeneacetonitrile, 4-methoxy-.alpha.-methyl-.alpha.-[(1-phenylethyl)amino]-, [S-(R*,R*)]- (9CI)
MF C18 H20 N2 O

Absolute stereochemistry.



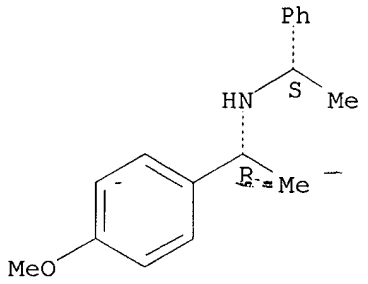
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Chromium, tricarbonyl[(1,2,3,4,5,6-.eta.)-2-(diphenylphosphino)-.alpha.-methyl-N-[(1R)-1-phenylethyl]benzenemethanamine]-, stereoisomer (9CI)
MF C31 H28 Cr N O3 P
CI CCS



L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Benzenemethanamine, 4-methoxy-.alpha.-methyl-N-(1-phenylethyl)-, [S-(R*,S*)]- (9CI)
MF C17 H21 N O

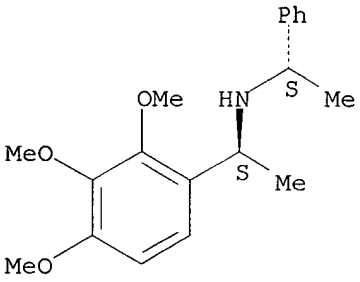
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Benzenemethanamine, 2,3,4-trimethoxy-.alpha.-methyl-N-(1-phenylethyl)-, hydrobromide, [S-(R*,R*)]- (9CI)
MF C19 H25 N O3 . Br H

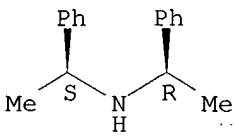
Absolute stereochemistry.



● HBr

L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Benzenemethanamine, .alpha.-methyl-N-[(1R)-1-phenylethyl]-, (.alpha.S)-rel- (9CI)
MF C16 H19 N
CI COM

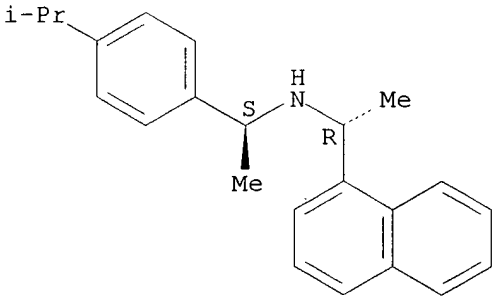
Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 1-Naphthalenemethanamine, .alpha.-methyl-N-[(1S)-1-[4-(1-methylethyl)phenyl]ethyl]-, (.alpha.R)- (9CI)
MF C23 H27 N

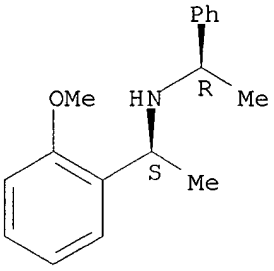
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Benzenemethanamine, 2-methoxy-.alpha.-methyl-N-(1-phenylethyl)-, [R-(R*,S*)]- (9CI)
MF C17 H21 N O

Absolute stereochemistry.

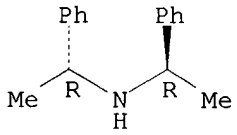


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

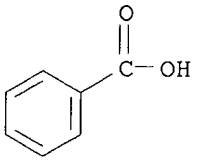
L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Benzenemethanamine, .alpha.-methyl-N-(1-phenylethyl)-, [R-(R*,R*)]-, benzoate (9CI)
MF C16 H19 N . C7 H6 O2

CM 1

Absolute stereochemistry. Rotation (+).

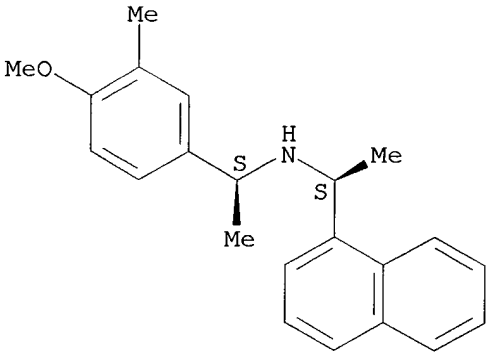


CM 2



L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 1-Naphthalenemethanamine, N-[(1S)-1-(4-methoxy-3-methylphenyl)ethyl]-.alpha.-methyl-, (.alpha.S)- (9CI)
MF C22 H25 N O
CI COM

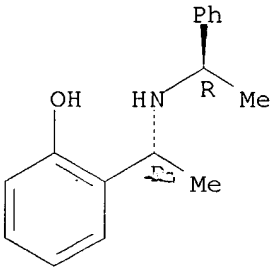
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

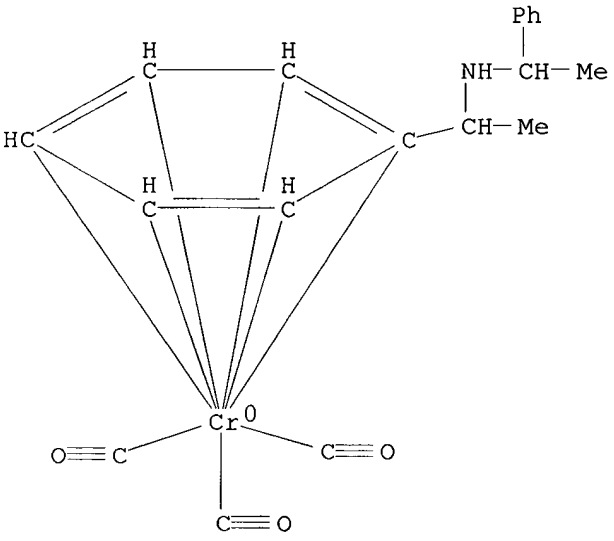
L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Phenol, 2-[(1R)-1-[[(1R)-1-phenylethyl]amino]ethyl]- (9CI)
MF C16 H19 N O

Absolute stereochemistry. Rotation (+).



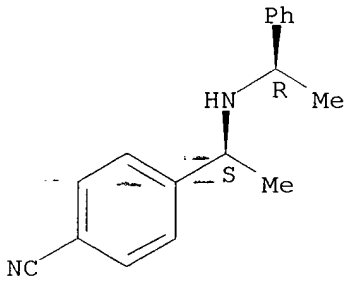
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Chromium, tricarbonyl[(1,2,3,4,5,6-.eta.)-.alpha.-methyl-N-(1-phenylethyl)benzenemethanamine]-, [S-(R*,R*)]- (9CI)
MF C19 H19 Cr N O3
CI CCS



L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Benzonitrile, 4-[1-[(1-phenylethyl)amino]ethyl]-, (R*,S*)- (9CI)
MF C17 H18 N2

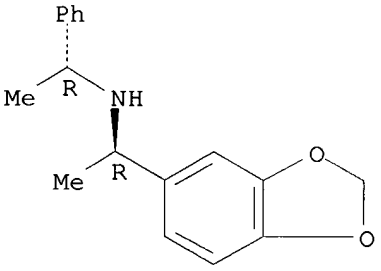
Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 1,3-Benzodioxole-5-methanamine, .alpha.-methyl-N-[(1R)-1-phenylethyl]-, (.alpha.R)- (9CI)
MF C17 H19 N O2

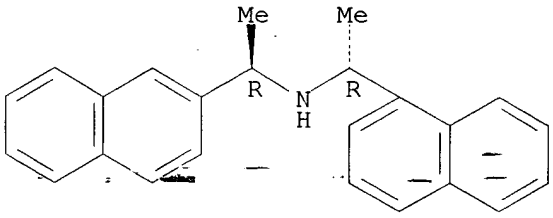
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 1-Naphthalenemethanamine, .alpha.-methyl-N-[(1R)-1-(2-naphthalenyl)ethyl]-, (.alpha.R)- (9CI)
MF C24 H23 N
CI COM

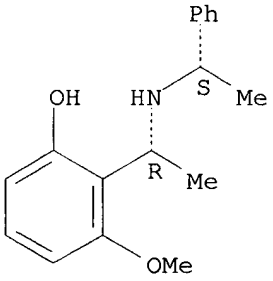
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Phenol, 3-methoxy-2-[1-[(1-phenylethyl)amino]ethyl]-, [S-(R*,S*)]- (9CI)
MF C17 H21 N O2

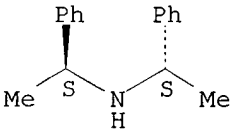
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Benzenemethanamine, .alpha.-methyl-N-[(1S)-1-phenylethyl]-, lithium salt, (.alpha.S)- (9CI)
MF C16 H19 N . Li

Absolute stereochemistry. Rotation (-).

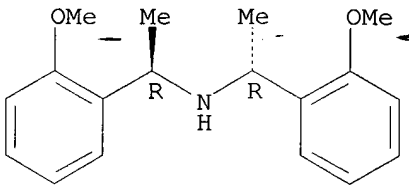


● Li

L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Benzenemethanamine, 2-methoxy-N-[(1R)-1-(2-methoxyphenyl)ethyl]-.alpha.-methyl-, (.alpha.R)- (9CI)

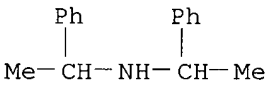
MF C18 H23 N O2

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

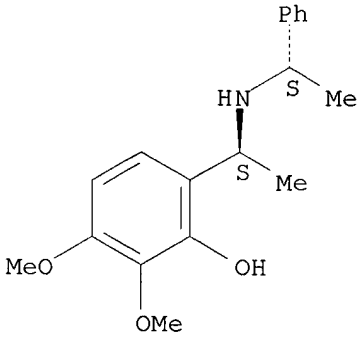
L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Benzenemethanamine, .alpha.-methyl-N-(1-phenylethyl)-, lithium salt (9CI)
MF C16 H19 N . Li



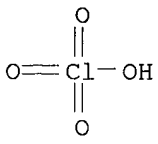
L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Phenol, 2,3-dimethoxy-6-[1-[(1-phenylethyl)amino]ethyl]-, [S-(R*,R*)]-, perchlorate (salt) (9CI)
MF C18 H23 N O3 . Cl H O4

CM 1

Absolute stereochemistry.

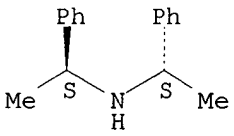


CM 2



L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Benzenemethanamine, .alpha.-methyl-N-[(1S)-1-phenylethyl]-, hydrochloride,
(.alpha.S)- (9CI)
MF C16 H19 N . Cl H

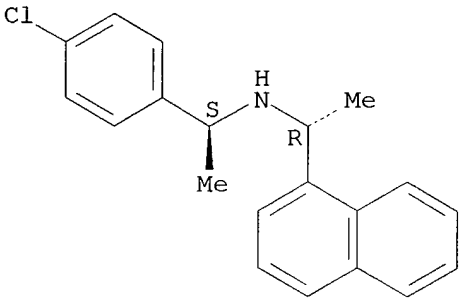
Absolute stereochemistry. Rotation (-).



● HCl

L5 252 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 1-Naphthalenemethanamine, N-[(1S)-1-(4-chlorophenyl)ethyl]-.alpha.-methyl-, (.alpha.R)- (9CI)
MF C20 H20 Cl N

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL

```
                                                    ENTRY    SESSION
FULL ESTIMATED COST                                142.18     142.39

FILE 'CAPLUS' ENTERED AT 14:38:02 ON 24 APR 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)
```



```
FILE COVERS 1907 - 24 Apr 2002  VOL 136 ISS 17
FILE LAST UPDATED: 23 Apr 2002  (20020423/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

CAS roles have been modified effective December 16, 2001. Please
check your SDI profiles to see if they need to be revised. For
information on CAS roles, enter HELP ROLES at an arrow prompt or use
the CAS Roles thesaurus (/RL field) in this file.

=> l5
L6          233 L5

=> save temp l6 chiramines/a
ANSWER SET L6 HAS BEEN SAVED AS 'CHIRAMINES/A'

=> imine
          15447 IMINE
          10247 IMINES
L7        21166 IMINE
                (IMINE OR IMINES)

=> l6 and l7
L8           27 L6 AND L7

=> reduc?
        1633885 REDUC?
         723193 REDN
          37985 REDNS
         746911 REDN
                (REDN OR REDNS)
L9      2051132 REDUC?
                (REDUC? OR REDN)

=> l8 and l9
L10          11 L8 AND L9

=> d l10 1-11 ti
```

L10 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2002 ACS
TI Microwave-assisted catalytic intermolecular hydroamination of alkynes

L10 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2002 ACS
TI Asymmetric synthesis of planar chiral (arene)tricarbonylchromium complexes
via enantioselective deprotonation by conformationally constrained chiral lithium-amide bases

L10 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2002 ACS
TI Asymmetric **reduction** of enantiopure **imines** with zinc borohydride: stereoselective synthesis of chiral amines

L10 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2002 ACS
TI Chemoselective **reductive** amination of aldehydes and ketones by dibutylchlorotin hydride-HMPA complex

L10 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2002 ACS
TI Aminoborohydrides. 6. Diastereoselective **reduction** of the carbon-nitrogen double bond in chiral **imines** using lithium diethylaminoborohydride and lithium diisopropylaminoborohydride

L10 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2002 ACS
TI Diastereoselective nucleophilic additions to **imines** attached to tricarbonyl(arene) chromium moieties

L10 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2002 ACS
TI NAD(P)+-NAD(P)H models. 70. **Reduction** of **imines** with Hantzsch ester in the presence of silica gel

L10 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2002 ACS
TI Synthesis of amines by **reduction** of **imines** with the MCl2/NaBH4 (M = cobalt, nickel) system

L10 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2002 ACS
TI Chiral building blocks for the synthesis of N-containing natural products.
Part I. Enantiomerically pure oxygenated 1-phenylethylamines from substituted acetophenones: by **reductive** amination and regiospecific benzylic cleavage

L10 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2002 ACS
TI NADH models. XXI. Stereoselective **reduction** of chiral **imines** with Hantzsch ester

L10 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2002 ACS
TI Electrosynthesis of N-phenylethyl-substituted DL-phenylglycine- and DL-.alpha.-phenylalanine esters via **reductive** carboxylation of N-benzylidene- and N-(.alpha.-methylbenzylidene)amines

=> save temp all reducamin/l
L# LIST L1-L10 HAS BEEN SAVED AS 'REDUCAMIN/L'

=> d l10 8 ti fbib abs

L10 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2002 ACS
TI Synthesis of amines by **reduction** of **imines** with the MCl2/NaBH4 (M = cobalt, nickel) system

AN 1989:533330 CAPLUS
DN 111:133330
TI Synthesis of amines by **reduction** of **imines** with the MCl2/NaBH4 (M = cobalt, nickel) system
AU Periasamy, M.; Devasagayaraj, A.; Satyanarayana, N.; Narayana, C.
CS Sch. Chem., Univ. Hyderabad, Hyderabad, 500 134, India
SO Synth. Commun. (1989), 19(3-4), 565-73
CODEN: SYNCAV; ISSN: 0039-7911
DT Journal
LA English
OS CASREACT 111:133330
AB **Imines**, anils, and enamines were **reduced** by CoCl2 or NiCl2/NaBH4/CH3OH in THF under mild conditions to afford the corresponding amines in 64-82% yields. Thus, PhCMe:NCHMePh was added to the CoCl2-contg. reagent and the mixt. stirred 2 h at -10.degree. to give 64% (PhCHMe)2NH.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	12.23	154.62
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.62	-0.62

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 14:43:10 ON 24 APR 2002

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 14:44:49 ON 24 APR 2002
FILE 'CAPLUS' ENTERED AT 14:44:49 ON 24 APR 2002
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

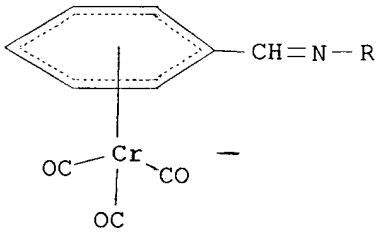
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	12.23	154.62
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.62	-0.62

=> d his

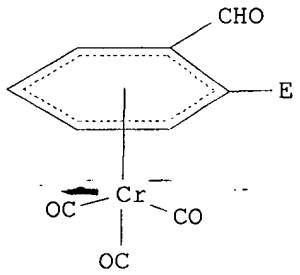
(FILE 'HOME' ENTERED AT 14:33:48 ON 24 APR 2002)

FILE 'REGISTRY' ENTERED AT 14:34:12 ON 24 APR 2002
L1 STRUCTURE UPLOADED

```
L2             6 SEARCH L1 SSS SAM
L3               STRUCTURE UPLOADED
L4             1 SEARCH L3 SSS SAM
L5           252 SEARCH L3 SSS FULL

     FILE 'CAPLUS' ENTERED AT 14:38:02 ON 24 APR 2002
L6           233 L5
                 SAVE TEMP L6 CHIRAMINES/A
L7         21166 IMINE
L8            27 L6 AND L7
L9       2051132 REDUC?
L10           11 L8 AND L9
                 SAVE TEMP ALL REDUCAMIN/L

=> ?fluor?
L11     1097263 ?FLUOR?

=> l6 and l11
L12           22 L6 AND L11

=> l10 and l12
L13            1 L10 AND L12

=> d l13 ti fbib abs

L13  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2002 ACS
TI   Asymmetric synthesis of planar chiral (arene)tricarbonylchromium
complexes
     via enantioselective deprotonation by conformationally constrained chiral
     lithium-amide bases
AN   2000:748505  CAPLUS
DN   134:42233
TI   Asymmetric synthesis of planar chiral (arene)tricarbonylchromium
complexes
     via enantioselective deprotonation by conformationally constrained chiral
     lithium-amide bases
AU   Pache, Sandrine; Botuha, Candice; Franz, Roberto; Kundig, E. Peter;
     Einhorn, Jacques
CS   Departement de Chimie Organique, Universite de Geneve, Geneva, CH-1211/4,
     Switz.
SO   Helvetica Chimica Acta (2000), 83(9), 2436-2451
     CODEN: HCACAV; ISSN: 0018-019X
PB   Verlag Helvetica Chimica Acta
DT   Journal
LA   English
GI
```



I



II

AB Enantioselective lithiation/electrophilic addn. reactions with eight chiral Li-amide bases, 1-8, and five [Cr(arene)(CO)3] complexes, 9-13, were studied. Restriction of conformational freedom in the chiral Li-amide base Li-1, in general, did not result in an increase in asym. induction. A new route to enantiomerically enriched (75-92%) planar chiral ortho-substituted benzaldehyde complexes via enantioselective lithiation of benzaldimine complexes 16 and 17 (I; R = cyclohexyl, Ph) is reported. Within the (1S)-enantiomer series of o-substituted benzaldehyde complexes 18a-d (II; E = Me3Si, Me3Sn, Me, COOMe), generated from 16 and 17, the sign of the sp. rotation, [.alpha.]D20, is pos., except for the trimethylstannyl deriv. 18b. This is interpreted in terms of a reversed conformation of the aldehyde group.

RE.CNT 82 THERE ARE 82 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> l12 not l13
L14 21 L12 NOT L13

=> save temp l14 fluoroamine/a
ANSWER SET L14 HAS BEEN SAVED AS 'FLUOROAMINE/A'

=> d l14 1-21 ti

L14 ANSWER 1 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI Preparation of optically active .alpha.-methylbis-3,5-(**trifluoromethyl**)benzylamine from optically active imines

L14 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI Purification of optically active .alpha.-methyl-3,5-bis(**trifluoromethyl**)benzylamines

L14 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI Enantioselective synthesis of cyclohexenylalkenes by asymmetric deprotonation of 4-tert-butylcyclohexanone followed by O-nonaflation and Heck couplings

L14 ANSWER 4 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI Preparation of 1-arylethylamines as calcium receptor ligands

L14 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI 195Pt NMR determination of the enantiomeric purity and absolute configuration of trisubstituted allenes by using [PtCl3(C2H4)]-[(S,S)-(1-

NpMeCH)2NH2]+ as CDA

L14 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI Desymmetrization of 4,4-disubstituted cyclohexanones by enzyme-catalyzed resolution of their enol acetates

L14 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI A practical o-hydroxybenzylamines promoted enantioselective addition of dialkylzincs to aldehydes with asymmetric amplification

L14 ANSWER 8 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI Aldol Addition of Lithium and Boron Enolates of 1,3-Dioxan-5-ones to Aldehydes. A New Entry into Monosaccharide Derivatives

L14 ANSWER 9 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI The asymmetric synthesis of phosphorus- and sulfur-containing tricarbonyl(.eta.6-arene)chromium complexes using the chiral base approach

L14 ANSWER 10 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI Optical Resolution and Epimerization of **Fluorosilane** Having an Optically Active Amino Group: A New, Convenient Access to Optically Active Silicon Compounds

L14 ANSWER 11 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI New symmetry-breaking deprotonation reactions of cyclic imides using a chiral lithium amide base

L14 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI Enantiomeric impurities in chiral catalysts, auxiliaries and synthons used in enantioselective synthesis

L14 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI Chiral base mediated asymmetric synthesis of tricarbonyl(.eta.6-arene)chromium complexes

L14 ANSWER 14 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI Diastereoselective addition of methyllithium and dimethylcuprate-boron **trifluoride** to imines derived from (S)-1-phenylethylamine

L14 ANSWER 15 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI Cesium **fluoride**-mediated Horner-Wittig addition reactions of silyl phosphine oxides; synthesis of optically active silyl phosphine oxides using chiral bases and a chiral acid

L14 ANSWER 16 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI Synthesis of .alpha.-**trifluoromethyl** substituted .alpha.-amino acid derivatives from methyl 3,3,3-**trifluoro**-2-diazopropionate

L14 ANSWER 17 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI Preparation of substituted N-aryl-1,2-diaminocyclobutene-3,4-dione smooth muscle relaxants

L14 ANSWER 18 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI Concerning the asymmetric metalation of ferrocenes by chiral lithium amide bases

L14 ANSWER 19 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI Diastereoselective addition of methylcopper- and dimethylcuprate-boron **trifluoride** reagents to (S)-N-alkylidene-1-phenylethylamines

L14 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI Chiral building blocks for the synthesis of N-containing natural products.
4. A facile method for the asymmetric synthesis of enantiomerically pure 1-(2-**fluorophenyl**)ethylamine

L14 ANSWER 21 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI Enantiotopic interactions in the **fluorescence** quenching of camphor by chiral amines

=> d l14 1-2 ti fbib abs

L14 ANSWER 1 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI Preparation of optically active .alpha.-methylbis-3,5-(**trifluoromethyl**)benzylamine from optically active imines
AN 2002:77456 CAPLUS
DN 136:134565
TI Preparation of optically active .alpha.-methylbis-3,5-(**trifluoromethyl**)benzylamine from optically active imines
IN Ishii, Akio; Kuriyama, Suguru; Kanai, Masatomi; Hayami, Takashi
PA Central Glass Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2002030048	A2	20020129	JP 2000-142460	20000515
			JP 2000-138349 A	20000511

OS CASREACT 136:134565; MARPAT 136:134565
AB (R)- or (S)-H2NCHMeC6H3(CF3)2-3,5, useful as an intermediate for pesticides and drugs, is prepd. by asym. hydrogenation of optically active-ArCHMeN:CMeC6H3(CF3)2-3,5 (Ar = Ph, 1- or 2-naphthyl) and hydrogenolysis of the resulting optically active ArCHMeNHCHMeC6H3(CF3)2-3,5. Thus, MeCOC6H3(CF3)2-3,5 was refluxed with (S)-H2NCHPhMe and p-MeC6H4SO3H to give quant. optically active imine, which was hydrogenated with NaBH4 in EtOH to afford 7.8:1 (SS)- and (SR)-PhCHMeNHCHMeC6H3(CF3)2-3,5 with 100% conversion. The diastereomeric mixt. was hydrogenated over Pd/C to give 75% (S)-H2NCHMeC6H3(CF3)2-3,5 with 76% ee.

L14 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI Purification of optically active .alpha.-methyl-3,5-bis(**trifluoromethyl**)benzylamines
AN 2002:23507 CAPLUS
DN 136:69641
TI Purification of optically active .alpha.-methyl-3,5-bis(**trifluoromethyl**)benzylamines
IN Ishii, Akio; Kuriyama, Masaru; Yasumoto, Manabu; Kanai, Masatomi; Hayami, Takashi
PA Central Glass Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2002003453	A2	20020109	JP 2000-185405	20000620

OS MARPAT 136:69641
AB The compds. 3,5-(F3C)2C6H3CHMeNHR (R = H, benzyl, aryl, CHMeAr; Ar = Ph, 1- or 2-naphthyl) are purified by converting into inorg. acid or org. acid salts and recrystn. .alpha.-Methyl-bis-3,5-(**trifluoromethyl**)benzylamine (S-isomer:R-isomer = 7.4:1) was reacted with p-MeC6H4SO3H in PhMe at 60-70.degree. for 30 min to give (S)-.alpha.-methyl-3,5-bis(**trifluoromethyl**)benzylamine p-toluenesulfonate with 82.7% e.e.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	29.45	171.84

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.48	-2.48

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 14:49:03 ON 24 APR 2002

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Jan 25	BLAST(R) searching in REGISTRY available in STN on the Web
NEWS 3	Jan 29	FSTA has been reloaded and moves to weekly updates
NEWS 4	Feb 01	DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS 5	Feb 19	Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS 6	Mar 08	Gene Names now available in BIOSIS
NEWS 7	Mar 22	TOXLIT no longer available
NEWS 8	Mar 22	TRCTHERMO no longer available
NEWS 9	Mar 28	US Provisional Priorities searched with P in CA/CAplus and USPATFULL
NEWS 10	Mar 28	LIPINSKI/CALC added for property searching in REGISTRY
NEWS 11	Apr 02	PAPERCHEM no longer available on STN. Use PAPERCHEM2 instead.
NEWS 12	Apr 08	"Ask CAS" for self-help around the clock
NEWS 13	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area

```
 NEWS 14  Apr 09  ZDB will be removed from STN
 NEWS 15  Apr 19  US Patent Applications available in IFICDB, IFIPAT, and
IFIUDB
 NEWS 16  Apr 22  Records from IP.com available in CAPLUS, HCAPLUS, and
ZCAPLUS
 NEWS 17  Apr 22  BIOSIS Gene Names now available in TOXCENTER
 NEWS 18  Apr 22  Federal Research in Progress (FEDRIP) now available

 NEWS EXPRESS  February 1 CURRENT WINDOWS VERSION IS V6.0d,
               CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
               AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS INTER    General Internet Information
 NEWS LOGIN    Welcome Banner and News Items
 NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
 NEWS WWW      CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

  All use of STN is subject to the provisions of the STN Customer
  agreement.  Please note that this agreement limits use to scientific
  research.  Use for software development or design or implementation
  of commercial gateways or other similar uses is prohibited and may
  result in loss of user privileges and other penalties.

  * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *


FILE 'HOME' ENTERED AT 07:04:49 ON 25 APR 2002

=>
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.21       0.21

FILE 'STNGUIDE' ENTERED AT 07:05:00 ON 25 APR 2002
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE
AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Apr 19, 2002 (20020419/UP).

=>
NAME             CREATED      NOTES/TITLE
---------------  -----------  -----------------------------------
AIDSMOTIV/A      TEMP         117 ANSWERS IN FILE CAPLUS
AIDSSRCH/L       TEMP         5 L-NUMBERS
ALKYLATIN/L      13 DEC 2001  9 L-NUMBERS
ANDROELECTRO/A   TEMP         10 ANSWERS IN FILE CAPLUS
ANDRONUCLEO/A    TEMP         4173 ANSWERS IN FILE CAPLUS
ANDROSRCH/L      TEMP         23 L-NUMBERS
ANTIHIV/A        TEMP         6 ANSWERS IN FILE CAPLUS
ANTIHIVFREE/A    TEMP         41 ANSWERS IN FILE CAPLUS
CHIRAMINES/A     TEMP         233 ANSWERS IN FILE CAPLUS
FLUOROAMINE/A    TEMP         21 ANSWERS IN FILE CAPLUS
```

```
HIVCMPDS/A        TEMP          10 ANSWERS IN FILE CAPLUS
INDIUMCL3/A       30 MAY 2001   1 ANSWER IN FILE REGISTRY
LTWENTAUGFOR/A    04 AUG 2001   72 ANSWERS IN FILE CAPLUS
NEOTAMECRYST/A    24 APR 2001   59 ANSWERS IN FILE CAPLUS
NSAIDTRGT/A       TEMP          10 ANSWERS IN FILE CAPLUS
NVLARMFULGEN/A    19 APR 2001   196 ANSWERS IN FILE REGISTRY
POHBENZALDEH/A    10 JUL 2001   5519 ANSWERS IN FILE CAPLUS
PROSTACMPD15/A    01 AUG 2001   34 ANSWERS IN FILE CAPLUS
RANEYSRCH/L       TEMP          16 L-NUMBERS
REDUCAMIN/L       TEMP          10 L-NUMBERS
STILLEAPP/L       07 JAN 2002   17 L-NUMBERS
TWOAMINOPOLY/Q    16 APR 2001   UPLOADED STRUCTURE


=>
NO SAVED SDI REQUESTS


=>
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.12       0.33

FILE 'CAPLUS' ENTERED AT 07:05:57 ON 25 APR 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)
```



```
FILE COVERS 1907 - 25 Apr 2002  VOL 136 ISS 17
FILE LAST UPDATED: 23 Apr 2002  (20020423/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

CAS roles have been modified effective December 16, 2001. Please
check your SDI profiles to see if they need to be revised. For
information on CAS roles, enter HELP ROLES at an arrow prompt or use
the CAS Roles thesaurus (/RL field) in this file.

=>
L1              STR
L2  (       252)SEA FILE=REGISTRY SSS FUL L1
L3          233 SEA FILE=CAPLUS ABB=ON  PLU=ON  L2

=>
L4              STR
L5  (       252)SEA FILE=REGISTRY SSS FUL L4
L6  (       233)SEA FILE=CAPLUS ABB=ON  PLU=ON  L5
```

```
L7   (     21166)SEA FILE=CAPLUS ABB=ON  PLU=ON  IMINE
L8   (        27)SEA FILE=CAPLUS ABB=ON  PLU=ON  L6 AND L7
L9   (   2051132)SEA FILE=CAPLUS ABB=ON  PLU=ON  REDUC?
L10  (        11)SEA FILE=CAPLUS ABB=ON  PLU=ON  L8 AND L9
L11  (   1097263)SEA FILE=CAPLUS ABB=ON  PLU=ON  ?FLUOR?
L12  (        22)SEA FILE=CAPLUS ABB=ON  PLU=ON  L6 AND L11
L13  (         1)SEA FILE=CAPLUS ABB=ON  PLU=ON  L10 AND L12
L14  _        21 SEA FILE=CAPLUS ABB=ON  PLU=ON  L12 NOT L13

=>
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY    SESSION
FULL ESTIMATED COST                                    0.40       0.73

FILE 'STNGUIDE' ENTERED AT 07:06:00 ON 25 APR 2002
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE
AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Apr 19, 2002 (20020419/UP).

=>
L15             STR
L16  (         6)SEA FILE=REGISTRY SSS SAM L15
L17             STR
L18  (         1)SEA FILE=REGISTRY SSS SAM L17
L19  (       252)SEA FILE=REGISTRY SSS FUL L17
L20  (       233)SEA FILE=CAPLUS ABB=ON  PLU=ON  L19
L21  (     21166)SEA FILE=CAPLUS ABB=ON  PLU=ON  IMINE
L22  (        27)SEA FILE=CAPLUS ABB=ON  PLU=ON  L20 AND L21
L23  (   2051132)SEA FILE=CAPLUS ABB=ON  PLU=ON  REDUC?
L24  (        11)SEA FILE=CAPLUS ABB=ON  PLU=ON  L22 AND L23

=> logoff hold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY    SESSION
FULL ESTIMATED COST                                    0.06       0.79

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:06:39 ON 25 APR 2002

Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'STNGUIDE' AT 07:15:28 ON 25 APR 2002
FILE 'STNGUIDE' ENTERED AT 07:15:28 ON 25 APR 2002
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE
AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY    SESSION
```

FULL ESTIMATED COST	0.06	0.79

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.06	0.79

FILE 'REGISTRY' ENTERED AT 07:15:34 ON 25 APR 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 23 APR 2002 HIGHEST RN 406909-40-8
DICTIONARY FILE UPDATES: 23 APR 2002 HIGHEST RN 406909-40-8

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.38	1.17

FILE 'CAPLUS' ENTERED AT 07:15:40 ON 25 APR 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1907 - 25 Apr 2002 VOL 136 ISS 17
FILE LAST UPDATED: 23 Apr 2002 (20020423/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

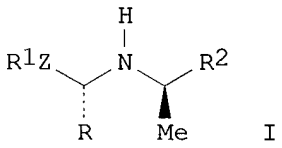
CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

```
=> d his

     (FILE 'HOME' ENTERED AT 07:04:49 ON 25 APR 2002)

     FILE 'STNGUIDE' ENTERED AT 07:05:00 ON 25 APR 2002

     FILE 'CAPLUS' ENTERED AT 07:05:57 ON 25 APR 2002
                ACT CHIRAMINES/A
                ---------
L1              STR
L2  (       252)SEA FILE=REGISTRY SSS FUL L1
L3          233 SEA FILE=CAPLUS ABB=ON  PLU=ON  L2
                ---------
                ACT FLUOROAMINE/A
                ---------
L4              STR
L5  (       252)SEA FILE=REGISTRY SSS FUL L4
L6  (       233)SEA FILE=CAPLUS ABB=ON  PLU=ON  L5
L7  (     21166)SEA FILE=CAPLUS ABB=ON  PLU=ON  IMINE
L8  (        27)SEA FILE=CAPLUS ABB=ON  PLU=ON  L6 AND L7
L9  (   2051132)SEA FILE=CAPLUS ABB=ON  PLU=ON  REDUC?
L10 (        11)SEA FILE=CAPLUS ABB=ON  PLU=ON  L8 AND L9
L11 (   1097263)SEA FILE=CAPLUS ABB=ON  PLU=ON  ?FLUOR?
L12 (        22)SEA FILE=CAPLUS ABB=ON  PLU=ON  L6 AND L11
L13 (         1)SEA FILE=CAPLUS ABB=ON  PLU=ON  L10 AND L12
L14         21 SEA FILE=CAPLUS ABB=ON  PLU=ON  L12 NOT L13
                ---------

     FILE 'STNGUIDE' ENTERED AT 07:06:00 ON 25 APR 2002
                ACT REDUCAMIN/L
                ---------
L15             STR
L16 (         6)SEA FILE=REGISTRY SSS SAM L15
L17             STR
L18 (         1)SEA FILE=REGISTRY SSS SAM L17
L19 (       252)SEA FILE=REGISTRY SSS FUL L17
L20 (       233)SEA FILE=CAPLUS ABB=ON  PLU=ON  L19
L21 (     21166)SEA FILE=CAPLUS ABB=ON  PLU=ON  IMINE
L22 (        27)SEA FILE=CAPLUS ABB=ON  PLU=ON  L20 AND L21
L23 (   2051132)SEA FILE=CAPLUS ABB=ON  PLU=ON  REDUC?
L24 (        11)SEA FILE=CAPLUS ABB=ON  PLU=ON  L22 AND L23
                ---------

     FILE 'REGISTRY' ENTERED AT 07:15:34 ON 25 APR 2002

     FILE 'CAPLUS' ENTERED AT 07:15:40 ON 25 APR 2002

=> d l14 4,20 ti fbib abs

L14  ANSWER 4 OF 21  CAPLUS  COPYRIGHT 2002 ACS
TI   Preparation of 1-arylethylamines as calcium receptor ligands
AN   2001:241760  CAPLUS
DN   134:280612
TI   Preparation of 1-arylethylamines as calcium receptor ligands
IN   Van Wagenen, Bradford C.; Moe, Scott T.; Balandrin, Manuel F.; Delmar,
     Eric G.; Nemeth, Edward F.
PA   NPS Pharmaceuticals, Inc., USA
SO   U.S., 142 pp.
     CODEN: USXXAM
```

DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6211244	B1	20010403	US 1995-546998	19951023

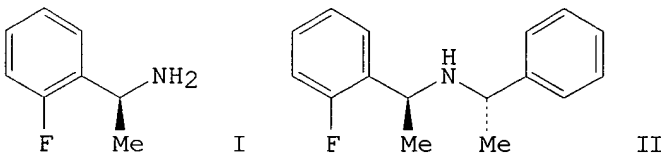
OS MARPAT 134:280612
GI



I

AB Title compds., e.g., I [R = H or alkyl; R1,R2 = (un)substituted Ph or naphthyl; Z = (CH2)0-3] were prepd. Thus, (R)-1-(1-naphthyl)ethylamine was condensed with 2-acetonaphthone to give I (R = Me, R1 = 2-naphthyl, R2
= 1-naphthyl, Z = bond). Data for biol. activity of title compds. were given.
RE.CNT 229 THERE ARE 229 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2002 ACS
TI Chiral building blocks for the synthesis of N-containing natural products.
4. A facile method for the asymmetric synthesis of enantiomerically pure 1-(2-**fluorophenyl**)ethylamine
AN 1990:630871 CAPLUS
DN 113:230871
TI Chiral building blocks for the synthesis of N-containing natural products.
4. A facile method for the asymmetric synthesis of enantiomerically pure 1-(2-**fluorophenyl**)ethylamine
AU Bringmann, G.; Geisler, J. P.
CS Inst. Org. Chem., Univ. Wuerzburg, Wuerzburg, D-8700, Fed. Rep. Ger.
SO J. Fluorine Chem. (1990), 49(1), 67-73
CODEN: JFLCAR; ISSN: 0022-1139
DT Journal
LA English
OS CASREACT 113:230871
GI



I II

AB A simple, 2-step-procedure for the synthesis of optically active (S)-1-(2-
fluorophenyl)ethylamine (I) is described. Starting from com.

available 2-**fluoroacetophenone,** imination with (S)-1-phenylethylamine, followed by stereoselective hydrogenation over Raney Ni gives the secondary amine II. Subsequent regioselective hydrogenolytic cleavage of homogeneous II yields enantiomerically pure title compd.

```
=> logoff hold
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       6.16       7.33

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)            SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                      -1.24      -1.24

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:18:14 ON 25 APR 2002

Connecting via Winsock to STN


Welcome to STN International!  Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 08:08:32 ON 25 APR 2002
FILE 'CAPLUS' ENTERED AT 08:08:32 ON 25 APR 2002
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       6.16       7.33

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)            SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                      -1.24      -1.24

=> d his

     (FILE 'HOME' ENTERED AT 07:04:49 ON 25 APR 2002)

     FILE 'STNGUIDE' ENTERED AT 07:05:00 ON 25 APR 2002

     FILE 'CAPLUS' ENTERED AT 07:05:57 ON 25 APR 2002
               ACT CHIRAMINES/A
               ---------
L1             STR
L2   (       252)SEA FILE=REGISTRY SSS FUL L1
L3           233 SEA FILE=CAPLUS ABB=ON  PLU=ON  L2
               ---------
               ACT FLUOROAMINE/A
               ---------
L4             STR
L5   (       252)SEA FILE=REGISTRY SSS FUL L4
L6   (       233)SEA FILE=CAPLUS ABB=ON  PLU=ON  L5
```

```
L7  (     21166)SEA FILE=CAPLUS ABB=ON  PLU=ON  IMINE
L8  (        27)SEA FILE=CAPLUS ABB=ON  PLU=ON  L6 AND L7
L9  (   2051132)SEA FILE=CAPLUS ABB=ON  PLU=ON  REDUC?
L10 (        11)SEA FILE=CAPLUS ABB=ON  PLU=ON  L8 AND L9
L11 (   1097263)SEA FILE=CAPLUS ABB=ON  PLU=ON  ?FLUOR?
L12 (        22)SEA FILE=CAPLUS ABB=ON  PLU=ON  L6 AND L11
L13 (         1)SEA FILE=CAPLUS ABB=ON  PLU=ON  L10 AND L12
L14           21 SEA FILE=CAPLUS ABB=ON  PLU=ON  L12 NOT L13
               ---------

     FILE 'STNGUIDE' ENTERED AT 07:06:00 ON 25 APR 2002
                ACT REDUCAMIN/L
               ---------
L15             STR
L16 (         6)SEA FILE=REGISTRY SSS SAM L15
L17             STR
L18 (         1)SEA FILE=REGISTRY SSS SAM L17
L19 (       252)SEA FILE=REGISTRY SSS FUL L17
L20 (       233)SEA FILE=CAPLUS ABB=ON  PLU=ON  L19
L21 (     21166)SEA FILE=CAPLUS ABB=ON  PLU=ON  IMINE
L22 (        27)SEA FILE=CAPLUS ABB=ON  PLU=ON  L20 AND L21
L23 (   2051132)SEA FILE=CAPLUS ABB=ON  PLU=ON  REDUC?
L24 (        11)SEA FILE=CAPLUS ABB=ON  PLU=ON  L22 AND L23
               ---------

     FILE 'REGISTRY' ENTERED AT 07:15:34 ON 25 APR 2002

     FILE 'CAPLUS' ENTERED AT 07:15:40 ON 25 APR 2002

=> mandelic
L25        4560 MANDELIC

=> tartaric
          28287 TARTARIC
              1 TARTARICS
L26       28288 TARTARIC
                (TARTARIC OR TARTARICS)

=> l25 or l26
L27       32468 L25 OR L26

=> l3 and l27
L28           8 L3 AND L27

=> d l28 1-8 ti

L28  ANSWER 1 OF 8  CAPLUS  COPYRIGHT 2002 ACS
TI   Purification of optically active .alpha.-methyl-3,5-
     bis(trifluoromethyl)benzylamines

L28  ANSWER 2 OF 8  CAPLUS  COPYRIGHT 2002 ACS
TI   Preparation of optically active .alpha.-methylbenzylamine

L28  ANSWER 3 OF 8  CAPLUS  COPYRIGHT 2002 ACS
TI   Design, synthesis, and optical resolution of a novel non-natural chiral
     auxiliary, 1-(2,5-dimethoxyphenyl)ethylamine. Application to
     diastereoselective alkylation of aldimines

L28  ANSWER 4 OF 8  CAPLUS  COPYRIGHT 2002 ACS
```

TI Preparation of 6-aryl-(methyl- or methylidene)-quinoline derivatives as voltage-gated potassium channel blockers

L28 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI Preparation of optically active .alpha.-methylbenzylamine

L28 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI Habit modification of a diastereomeric salt with an additive in optical resolution

L28 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI Chiral base-induced [2,3] Wittig rearrangement of acyclic .alpha.-(propargyloxy)acetic acids and amides

L28 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI Synthesis of stereomeric .alpha.,.alpha.'-dimethyldibenzylamines and their benzoates

=> d l28 1,2,5,6,8 ti fbib abs

L28 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI Purification of optically active .alpha.-methyl-3,5-bis(trifluoromethyl)benzylamines
AN 2002:23507 CAPLUS
DN 136:69641
TI Purification of optically active .alpha.-methyl-3,5-bis(trifluoromethyl)benzylamines
IN Ishii, Akio; Kuriyama, Masaru; Yasumoto, Manabu; Kanai, Masatomi; Hayami, Takashi
PA Central Glass Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2002003453	A2	20020109	JP 2000-185405	20000620

OS MARPAT 136:69641
AB The compds. 3,5-(F3C)2C6H3CHMeNHR (R = H, benzyl, aryl, CHMeAr; Ar = Ph, 1- or 2-naphthyl) are purified by converting into inorg. acid or org. acid salts and recrystn. .alpha.-Methyl-bis-3,5-(trifluoromethyl)benzylamine (S-isomer:R-isomer = 7.4:1) was reacted with p-MeC6H4SO3H in PhMe at 60-70.degree. for 30 min to give (S)-.alpha.-methyl-3,5-bis(trifluoromethyl)benzylamine p-toluenesulfonate with 82.7% e.e.

L28 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI Preparation of optically active .alpha.-methylbenzylamine
AN 2000:750318 CAPLUS
DN 133:296269
TI Preparation of optically active .alpha.-methylbenzylamine
IN Murakami, Naomichi; Sakai, Kenichi; Tobiyama, Tadashi
PA Yamakawa Chemical Industry Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DT Patent

LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000297066	A2	20001024	JP 1999-104499	19990412

AB Title compd. (I) is prepd. by treatment of (RS)-I with optically active **mandelic** acid in aq. media and optical resoln. of diastereomer salt, wherein at least a part of the (RS)-I is prepd. by racemization of optically active I in the presence of catalytic amt. of strongly basic racemization agents and contains bis(.alpha.-methylbenzyl)amine (II). A mixt. of 163.5 kg (RS)-I and 214 kg crude (RS)-I (contg. 1.5 kg II) was treated with Na (R)-mandelate in H2O in the presence of HCl at 5.degree. for .apprx.1 h to give diastereomer salt, which was decompd. with NaOH to give 64.6% (R)-I with 98.6% ee. (S)-I recovered from the process was racemized with NaH and used as a starting material.

L28 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI Preparation of optically active .alpha.-methylbenzylamine
AN 1994:298229 CAPLUS
DN 120:298229
TI Preparation of optically active .alpha.-methylbenzylamine
IN Sakai, Kenichi; Murakami, Naomichi; Saigo, Kazuhiko; Nohira, Hiroyuki
PA Yamakawa Chemical Ind, Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06001757	A2	19940111	JP 1992-158356	19920617
	JP 3178086	B2	20010618		

AB In the prepn. of (R)- or (S)-.alpha.-methylbenzylamine (I) from (RS)-I by diastereomeric method, (RS)-I is treated with optically active **mandelic** acid (II) in water solvents in the presence of bis(.alpha.-methylbenzyl)amine (III), and (in)org. acid salts of NH3 or primary amines and/or water-sol. inorg. salts, then optically active I.II obtained is crystd. as filterable crystals. Aq. soln. of 10 g (RS)-I was treated with 6.91 g (R)-II and aq. HCl, mixed with (R,R)-III.HCl under heating, then cooled to give 7.65 g (R)-I.II contg. (R)-I of 98.6% e.e.

L28 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI Habit modification of a diastereomeric salt with an additive in optical resolution
AN 1992:623398 CAPLUS
DN 117:223398
TI Habit modification of a diastereomeric salt with an additive in optical resolution
AU Sakai, Kenichi; Maekawa, Yasunari; Saigo, Kazuhiko; Sukegawa, Makoto; Murakami, Hisamichi; Nohira, Hiroyuki
CS Fac. Eng., Saitama Univ., Urawa, 338, Japan
SO Bull. Chem. Soc. Jpn. (1992), 65(7), 1747-50
CODEN: BCSJA8; ISSN: 0009-2673
DT Journal
LA English
AB In the optical resoln. of .alpha.-methylbenzylamine (I) with **mandelic** acid (II), the dimeric deriv. of I, bis(.alpha.-methylbenzyl)amine (IV), caused a habit modification of the diastereomeric

salt, (R)-I.cntdot.(R)-II (III). The habit modification was strongly influenced by the stereochem. of IV. Amine (R,R)-IV changed the morphol. of the crystal of the diastereomeric salt, even at a concn. of 0.007 mol% of III; the shape of the crystal became a hexagonal plate from a long hexagonal plate, whereas its stereoisomer ((R,S)-IV) changed the morphol. less than (R,R)-IV and (S,S)-IV did not change at all. The habit modification of III by IV is discussed on the basis of the crystal growth mechanism while considering the stereochem. of IV.

L28 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI Synthesis of stereomeric .alpha.,.alpha.'-dimethyldibenzylamines and their
benzoates
AN 1987:575567 CAPLUS
DN 107:175567
TI Synthesis of stereomeric .alpha.,.alpha.'-dimethyldibenzylamines and their
benzoates
AU Jablonska-Pikus, Teresa; Kurys, Krystyna; Janczewski, Marian
CS Inst. Chem., Uniw. M. Curie-Sklodowskiej, Lublin, Pol.
SO Ann. Univ. Mariae Curie-Sklodowska, Sect. AA: Phys. Chem. (1983), 38 119-29
CODEN: ACFCAD; ISSN: 0365-1193
DT Journal
LA Polish
AB The meso form and racemate were isolated from a mixt. of the stereoisomeric title amines. The latter was resolved into enantiomers by crystn. with (+)-**tartaric** acid. The benzoates of the enantiomers also were prepd.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	26.69	27.86

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.34	-4.34

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:13:41 ON 25 APR 2002

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 08:26:43 ON 25 APR 2002
FILE 'CAPLUS' ENTERED AT 08:26:43 ON 25 APR 2002

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION

FULL ESTIMATED COST	26.69	27.86

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.34	-4.34

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	26.69	27.86

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.34	-4.34

FILE 'REGISTRY' ENTERED AT 08:26:58 ON 25 APR 2002

STRUCTURE FILE UPDATES: 23 APR 2002 HIGHEST RN 406909-40-8
DICTIONARY FILE UPDATES: 23 APR 2002 HIGHEST RN 406909-40-8

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

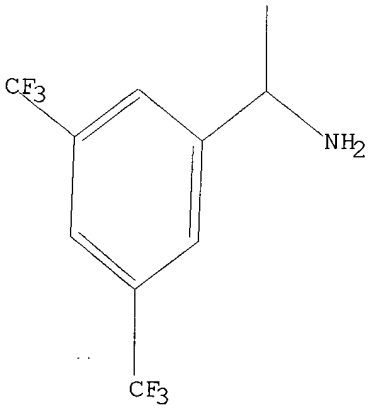
Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 09853085 bistrifluoromethylamine.str

L29 STRUCTURE UPLOADED

=> d l29
L29 HAS NO ANSWERS
L29 STR



Structure attributes must be viewed using STN Express query preparation.

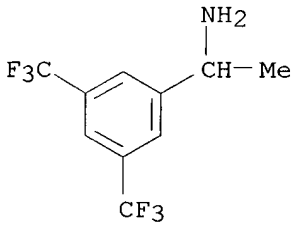
=> search l29 exact full
FULL SEARCH INITIATED 08:28:31 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 14 TO ITERATE

100.0% PROCESSED 14 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.01

L30 3 SEA EXA FUL L29

=> d scan

L30 3 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Benzenemethanamine, .alpha.-methyl-3,5-bis(trifluoromethyl)- (9CI)
MF C10 H9 F6 N
CI COM

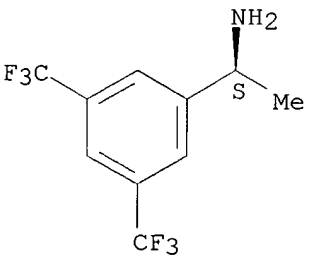


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L30 3 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Benzenemethanamine, .alpha.-methyl-3,5-bis(trifluoromethyl)-, (.alpha.S)-
(9CI)
MF C10 H9 F6 N
CI COM

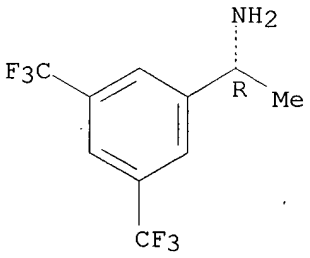
Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L30 3 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Benzenemethanamine, .alpha.-methyl-3,5-bis(trifluoromethyl)-, (.alpha.R)-(9CI)
MF C10 H9 F6 N
CI COM

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	48.14	76.00

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.34

FILE 'CAPLUS' ENTERED AT 08:28:56 ON 25 APR 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 25 Apr 2002 VOL 136 ISS 17

FILE LAST UPDATED: 23 Apr 2002 (20020423/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

```
=> 130
L31          12 L30

=> d his

     (FILE 'HOME' ENTERED AT 07:04:49 ON 25 APR 2002)

     FILE 'STNGUIDE' ENTERED AT 07:05:00 ON 25 APR 2002

     FILE 'CAPLUS' ENTERED AT 07:05:57 ON 25 APR 2002
               ACT CHIRAMINES/A
               ---------
L1             STR
L2   (       252)SEA FILE=REGISTRY SSS FUL L1
L3           233 SEA FILE=CAPLUS ABB=ON  PLU=ON  L2
               ---------
               ACT FLUOROAMINE/A
               ---------
L4             STR
L5   (       252)SEA FILE=REGISTRY SSS FUL L4
L6   (       233)SEA FILE=CAPLUS ABB=ON  PLU=ON  L5
L7   (     21166)SEA FILE=CAPLUS ABB=ON  PLU=ON  IMINE
L8   (        27)SEA FILE=CAPLUS ABB=ON  PLU=ON  L6 AND L7
L9   (   2051132)SEA FILE=CAPLUS ABB=ON  PLU=ON  REDUC?
L10  (        11)SEA FILE=CAPLUS ABB=ON  PLU=ON  L8 AND L9
L11  (   1097263)SEA FILE=CAPLUS ABB=ON  PLU=ON  ?FLUOR?
L12  (        22)SEA FILE=CAPLUS ABB=ON  PLU=ON  L6 AND L11
L13  (         1)SEA FILE=CAPLUS ABB=ON  PLU=ON  L10 AND L12
L14          21 SEA FILE=CAPLUS ABB=ON  PLU=ON  L12 NOT L13
               ---------

     FILE 'STNGUIDE' ENTERED AT 07:06:00 ON 25 APR 2002
               ACT REDUCAMIN/L
               ---------
L15            STR
L16  (         6)SEA FILE=REGISTRY SSS SAM L15
L17            STR
L18  (         1)SEA FILE=REGISTRY SSS SAM L17
L19  (       252)SEA FILE=REGISTRY SSS FUL L17
L20  (       233)SEA FILE=CAPLUS ABB=ON  PLU=ON  L19
L21  (     21166)SEA FILE=CAPLUS ABB=ON  PLU=ON  IMINE
L22  (        27)SEA FILE=CAPLUS ABB=ON  PLU=ON  L20 AND L21
L23  (   2051132)SEA FILE=CAPLUS ABB=ON  PLU=ON  REDUC?
L24  (        11)SEA FILE=CAPLUS ABB=ON  PLU=ON  L22 AND L23
               ---------

     FILE 'REGISTRY' ENTERED AT 07:15:34 ON 25 APR 2002

     FILE 'CAPLUS' ENTERED AT 07:15:40 ON 25 APR 2002
```

```
L25         4560 MANDELIC
L26        28288 TARTARIC
L27        32468 L25 OR L26
L28            8 L3 AND L27

     FILE 'REGISTRY' ENTERED AT 08:26:58 ON 25 APR 2002
L29              STRUCTURE UPLOADED
L30            3 SEARCH L29 EXACT FULL

     FILE 'CAPLUS' ENTERED AT 08:28:56 ON 25 APR 2002
L31           12 L30

=> l31 and l27
L32            1 L31 AND L27

=> d l32 ti fbib abs

L32  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2002 ACS
TI   Purification of optically active .alpha.-methyl-3,5-
     bis(trifluoromethyl)benzylamines
AN   2002:23507  CAPLUS
DN   136:69641
TI   Purification of optically active .alpha.-methyl-3,5-
     bis(trifluoromethyl)benzylamines
IN   Ishii, Akio; Kuriyama, Masaru; Yasumoto, Manabu; Kanai, Masatomi; Hayami,
     Takashi
PA   Central Glass Co., Ltd., Japan
SO   Jpn. Kokai Tokkyo Koho, 8 pp.
     CODEN: JKXXAF
DT   Patent
LA   Japanese
FAN.CNT 1
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ---------------   ----  --------       ---------------  --------
PI   JP 2002003453      A2   20020109       JP 2000-185405   20000620
OS   MARPAT 136:69641
AB   The compds. 3,5-(F3C)2C6H3CHMeNHR (R = H, benzyl, aryl, CHMeAr; Ar = Ph,
     1- or 2-naphthyl) are purified by converting into inorg. acid or org.
acid
     salts and recrystn.  .alpha.-Methyl-bis-3,5-(trifluoromethyl)benzylamine
     (S-isomer:R-isomer = 7.4:1) was reacted with p-MeC6H4SO3H in PhMe at
     60-70.degree. for 30 min to give (S)-.alpha.-methyl-3,5-
     bis(trifluoromethyl)benzylamine p-toluenesulfonate with 82.7% e.e.


=> d l31 1-12 ti

L31  ANSWER 1 OF 12  CAPLUS  COPYRIGHT 2002 ACS
TI   Preparation of optically active .alpha.-methylbis-3,5-
     (trifluoromethyl)benzylamine from optically active imines

L31  ANSWER 2 OF 12  CAPLUS  COPYRIGHT 2002 ACS
TI   Purification of optically active .alpha.-methyl-3,5-
     bis(trifluoromethyl)benzylamines

L31  ANSWER 3 OF 12  CAPLUS  COPYRIGHT 2002 ACS
TI   Preparation of cyclohexane derivatives for therapeutic use in the
     treatment of disorders, such as depression, anxiety, pain, inflammation,
     migraine, and vomiting
```

L31 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2002 ACS
TI Preparation of optically active .alpha.-methyl-bis-3,5-(trifluoromethyl)benzylamine

L31 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2002 ACS
TI Heteroaryl-containing thiourea derivatives useful as inhibitors of herpes viruses

L31 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2002 ACS
TI Aryl- and heteroaryl-substituted thiourea derivatives useful as inhibitors of herpes viruses

L31 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2002 ACS
TI Alpha-methylbenzyl-containing thiourea derivatives containing a phenylenediamine group, useful as inhibitors of herpes viruses

L31 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2002 ACS
TI Heterocyclic carboxamide-containing thiourea derivatives containing a phenylenediamine group, useful as inhibitors of herpes viruses

L31 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2002 ACS
TI Benzamide-containing aryl thiourea derivatives useful as inhibitors of herpes viruses

L31 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2002 ACS
TI Acetamide and substituted acetamide-containing aryl thiourea derivatives useful as inhibitors of herpes viruses

L31 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2002 ACS
TI Preparation of tryptophan derivatives as tachykinin antagonists

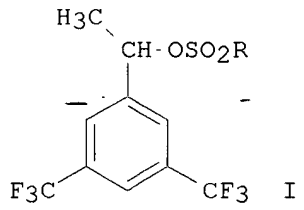
L31 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2002 ACS
TI Optically active amines. 34. Application of the benzene chirality rule to ring-substituted phenylcarbinamines and carbinols

=> d l31 4 ti fbib abs

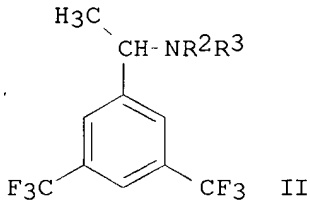
L31 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2002 ACS
TI Preparation of optically active .alpha.-methyl-bis-3,5-(trifluoromethyl)benzylamine
AN 2001:767496 CAPLUS
DN 135:318319
TI Preparation of optically active .alpha.-methyl-bis-3,5-(trifluoromethyl)benzylamine
IN Ishii, Akio; Kuriyama, Masaru; Kanai, Masatomi; Hayami, Takashi
PA Central Glass Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2001294568	A2	20011023	JP 2000-112644	20000413

OS CASREACT 135:318319; MARPAT 135:318319
GI



I



II

AB Title compd. is prepd. by sulfonylation of .alpha.-methyl-bis-3,5-(trifluoromethyl)benzyl alc. with RSO2X (R = C1-6 alkyl, CmYnH2m+1-n, aryl; m = 0-8; n = 1-17; Y = F, Cl; X = F, Cl, RSO2O), substitution of benzyl sulfonates I (R = same as above) with R1NR2R3 (R1 = H, alkali metal, alk. earth metal; R2, R3 = H, arylalkyl, aryl, arylalkoxycarbonyl, OH, etc.), and deprotection of benzylamines II (R2, R3 = same as above). (S)-.alpha.-methyl-bis-3,5-(trifluoromethyl)benzyl alc. was sulfonated with MeSO2Cl in the presence of Et3N in PhMe at 0.degree. for 1 h and reacted with benzylamine in DMF-PhMe at 65.degree. for 12 h to give 82% (R)-N-benzyl-.alpha.-methyl-bis-3,5-(trifluoromethyl)benzylamine, which was hydrogenated with H in the presence of P/C in EtOH at 56.degree. for 5 h to give 80% (R)-.alpha.-methyl-bis-3,5-(trifluoromethyl)benzylamine with 94.4% e.e.

=>
=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	20.26	96.26

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.24	-5.58

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:47:17 ON 25 APR 2002